

Title (en)

Adaptive thermoelectric cooling in a processor

Title (de)

Adaptive thermoelektrische Kühlung in einem Prozessor

Title (fr)

Refroidissement thermoélectrique adaptatif dans un processeur

Publication

EP 2853982 A3 20150715 (EN)

Application

EP 14186431 A 20140925

Priority

US 201314036655 A 20130925

Abstract (en)

[origin: EP2853982A2] A processor (110) comprising a thermoelectric cooling (TEC) controller (120) configured to obtain a platform cooling level (112) associated with the processor, to obtain a temperature (124) associated with the processor (110), to calculate a TEC power level based at least in part on the platform cooling level (112) and the temperature (124), and provide the TEC power level to a TEC device (130) associated with the processor (110), wherein the TEC device (130) is configured to transfer heat (138) from the processor (110) to a heat sink (132).

IPC 8 full level

G06F 1/20 (2006.01); **G06F 1/32** (2006.01)

CPC (source: EP US)

F25B 21/02 (2013.01 - US); **G06F 1/206** (2013.01 - EP US); **G06F 1/324** (2013.01 - EP US); **G06F 1/3287** (2013.01 - EP US); **G06F 1/3296** (2013.01 - EP US); **Y02D 10/00** (2017.12 - EP US)

Citation (search report)

- [X] US 2005078451 A1 20050414 - SAUCIUC IOAN [US], et al
- [X] US 2012312030 A1 20121213 - LU QIAO [US]
- [A] US 2010117579 A1 20100513 - CULBERT MICHAEL [US], et al

Cited by

CN109032324A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2853982 A2 20150401; **EP 2853982 A3 20150715**; US 2015082811 A1 20150326; US 9297559 B2 20160329

DOCDB simple family (application)

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